



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EGW-2-LED-17L-CA-S-50-80.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3649
 [TESTLAB] TUV SUD America
 [TESTDATE] 1/16/2019 1:57:47 PM
 [ISSUEDATE] 03/11/21
 [MANUFAC] LSI INDUSTRIES, INC.
 [LUMCAT] EGW-2-LED-17L-CA-S-50-80
 [OTHER] TEST PROCEDURE: IESNA LM-79-08
 [ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
 [OTHER] SCALED FROM ORIGINAL TEST DATA
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor
 [SEARCH_COLORTEMP] 5000

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17098
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	130
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.50 ft
Luminous Height	0.33 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	47000	33371	46665
55	42381	28316	37149
65	33789	20886	24993
75	32417	14699	9894
85	23546	9659	2521

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	6900	6900	6900	6900	6900	6900	6900	6900	6900	6900
2.5	5924	5581	5842	6579	7237	6066	5296	5182	5451	5182
5.0	5430	5314	4662	5047	7176	4722	4764	5077	5234	5077
7.5	5846	5350	5196	4309	7135	4485	4714	5689	6506	5689
10.0	6596	6762	5125	4440	7067	4790	5353	7162	7065	7162
12.5	5896	6084	6062	4987	7017	4592	7103	5605	4809	5605
15.0	4857	4899	6456	5192	6923	4246	6437	4124	4089	4124
17.5	5471	4580	5002	4774	6838	4331	4114	4435	5688	4435
20.0	5969	6050	4503	4832	6730	5400	3736	5936	6427	5936
22.5	4748	5713	4461	6096	6572	7255	3973	5284	4068	5284
25.0	3889	4014	5224	6917	6422	7435	5438	3713	3962	3713
27.5	3762	3781	5431	5798	6261	5283	5678	3855	5360	3855
30.0	3912	3725	4450	4199	6162	3629	3894	5041	5459	5041
32.5	4468	3849	3635	3547	6012	3250	3391	5632	4802	5632
35.0	4478	4245	3491	3769	5874	3078	3826	4553	4894	4553
37.5	4328	4286	3351	3956	5691	3112	4657	4272	4166	4272
40.0	3991	4208	3367	4183	5497	4239	5128	4224	4122	4224
42.5	3514	3737	3635	4795	5321	4706	4317	3672	4136	3672
45.0	3605	3373	3486	4101	5112	3547	3772	3705	3864	3705
47.5	3711	3471	3514	2933	4830	3155	3420	3648	3477	3648
50.0	3387	3437	3368	2609	4506	3136	2922	3559	2868	3559
52.5	2738	3148	2971	2575	4184	3115	2827	2755	3154	2755
55.0	2798	2585	2780	2449	3866	3079	2701	2601	2801	2601
57.5	2588	2581	2593	2315	3596	2939	2634	2657	2616	2657
60.0	2274	2461	2471	2191	3244	2476	2285	2108	2602	2108
62.5	2339	2177	2121	1986	2827	2027	1858	2095	2115	2095
65.0	1802	2173	1857	1714	2385	1740	1814	2072	2430	2072
67.5	1757	1794	1765	1527	1960	1480	1714	1752	1925	1752
70.0	1633	1619	1581	1391	1533	1213	1386	1883	1715	1883
72.5	1285	1580	1334	1197	1149	948	1256	1517	1738	1517
75.0	1265	1259	1131	980	830	764	1169	1368	1625	1368
77.5	1401	1269	976	805	572	645	1146	1572	1605	1572
80.0	1051	1187	978	656	384	537	1036	1137	1137	1137
82.5	667	775	878	513	259	461	729	797	874	797
85.0	554	526	605	422	176	373	492	603	671	603
87.5	449	426	396	316	120	234	393	531	602	531
90.0	408	375	289	200	78	185	354	477	543	477
92.5	390	358	237	154	69	171	351	447	504	447
95.0	391	353	226	145	73	160	357	426	456	426
97.5	341	338	227	143	74	144	338	396	397	396
100.0	276	286	219	134	70	125	301	352	369	352
102.5	247	247	204	118	63	100	265	334	369	334
105.0	230	227	192	99	54	70	224	312	354	312
107.5	215	208	175	72	46	45	184	276	318	276
110.0	195	185	152	45	37	25	154	241	282	241
112.5	173	163	127	23	30	11	124	214	249	214
115.0	155	144	100	11	23	6	88	190	227	190
117.5	140	129	72	7	16	3	56	163	207	163
120.0	129	114	50	4	10	1	39	128	178	128
122.5	107	90	34	2	6	0	27	89	135	89
125.0	81	65	23	1	2	0	12	68	98	68
127.5	61	47	8	0	1	0	1	50	77	50
130.0	44	37	0	0	0	0	0	38	55	38
132.5	34	27	0	0	0	0	0	18	40	18

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CANDELA TABULATION - (Cont.)

135.0	23	9	0	1	1	0	0	2	19	2
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	6900	6900	6900	6900	6900	6900	6900
2.5	5296	6066	7237	6579	5842	5581	5924
5.0	4764	4722	7176	5047	4662	5314	5430
7.5	4714	4485	7135	4309	5196	5350	5846
10.0	5353	4790	7067	4440	5125	6762	6596
12.5	7103	4592	7017	4987	6062	6084	5896
15.0	6437	4246	6923	5192	6456	4899	4857
17.5	4114	4331	6838	4774	5002	4580	5471
20.0	3736	5400	6730	4832	4503	6050	5969
22.5	3973	7255	6572	6096	4461	5713	4748
25.0	5438	7435	6422	6917	5224	4014	3889
27.5	5678	5283	6261	5798	5431	3781	3762
30.0	3894	3629	6162	4199	4450	3725	3912
32.5	3391	3250	6012	3547	3635	3849	4468
35.0	3826	3078	5874	3769	3491	4245	4478
37.5	4657	3112	5691	3956	3351	4286	4328
40.0	5128	4239	5497	4183	3367	4208	3991
42.5	4317	4706	5321	4795	3635	3737	3514
45.0	3772	3547	5112	4101	3486	3373	3605
47.5	3420	3155	4830	2933	3514	3471	3711
50.0	2922	3136	4506	2609	3368	3437	3387
52.5	2827	3115	4184	2575	2971	3148	2738
55.0	2701	3079	3866	2449	2780	2585	2798
57.5	2634	2939	3596	2315	2593	2581	2588
60.0	2285	2476	3244	2191	2471	2461	2274
62.5	1858	2027	2827	1986	2121	2177	2339
65.0	1814	1740	2385	1714	1857	2173	1802
67.5	1714	1480	1960	1527	1765	1794	1757
70.0	1386	1213	1533	1391	1581	1619	1633
72.5	1256	948	1149	1197	1334	1580	1285
75.0	1169	764	830	980	1131	1259	1265
77.5	1146	645	572	805	976	1269	1401
80.0	1036	537	384	656	978	1187	1051

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82.5	729	461	259	513	878	775	667
85.0	492	373	176	422	605	526	554
87.5	393	234	120	316	396	426	449
90.0	354	185	78	200	289	375	408
92.5	351	171	69	154	237	358	390
95.0	357	160	73	145	226	353	391
97.5	338	144	74	143	227	338	341
100.0	301	125	70	134	219	286	276
102.5	265	100	63	118	204	247	247
105.0	224	70	54	99	192	227	230
107.5	184	45	46	72	175	208	215
110.0	154	25	37	45	152	185	195
112.5	124	11	30	23	127	163	173
115.0	88	6	23	11	100	144	155
117.5	56	3	16	7	72	129	140
120.0	39	1	10	4	50	114	129
122.5	27	0	6	2	34	90	107
125.0	12	0	2	1	23	65	81
127.5	1	0	1	0	8	47	61
130.0	0	0	0	0	0	37	44
132.5	0	0	0	0	0	27	34
135.0	0	0	1	1	0	9	23
137.5	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2066.05	N.A.	12.10
0-30	4470.95	N.A.	26.10
0-40	7147.13	N.A.	41.80
0-60	12726.07	N.A.	74.40
0-80	15914.31	N.A.	93.10
0-90	16481.4	N.A.	96.40
10-90	15947.74	N.A.	93.30
20-40	5081.07	N.A.	29.70
20-50	8074.3	N.A.	47.20
40-70	7527.42	N.A.	44.00
60-80	3188.24	N.A.	18.60
70-80	1239.76	N.A.	7.30
80-90	567.09	N.A.	3.30
90-110	484.47	N.A.	2.80
90-120	579.96	N.A.	3.40
90-130	611.70	N.A.	3.60
90-150	616.20	N.A.	3.60
90-180	616.20	N.A.	3.60
110-180	131.73	N.A.	0.80
0-180	17097.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	533.66
10-20	1532.4
20-30	2404.9
30-40	2676.17
40-50	2993.22
50-60	2585.72
60-70	1948.48
70-80	1239.76
80-90	567.09
90-100	291.54
100-110	192.93
110-120	95.49
120-130	31.74
130-140	4.50
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

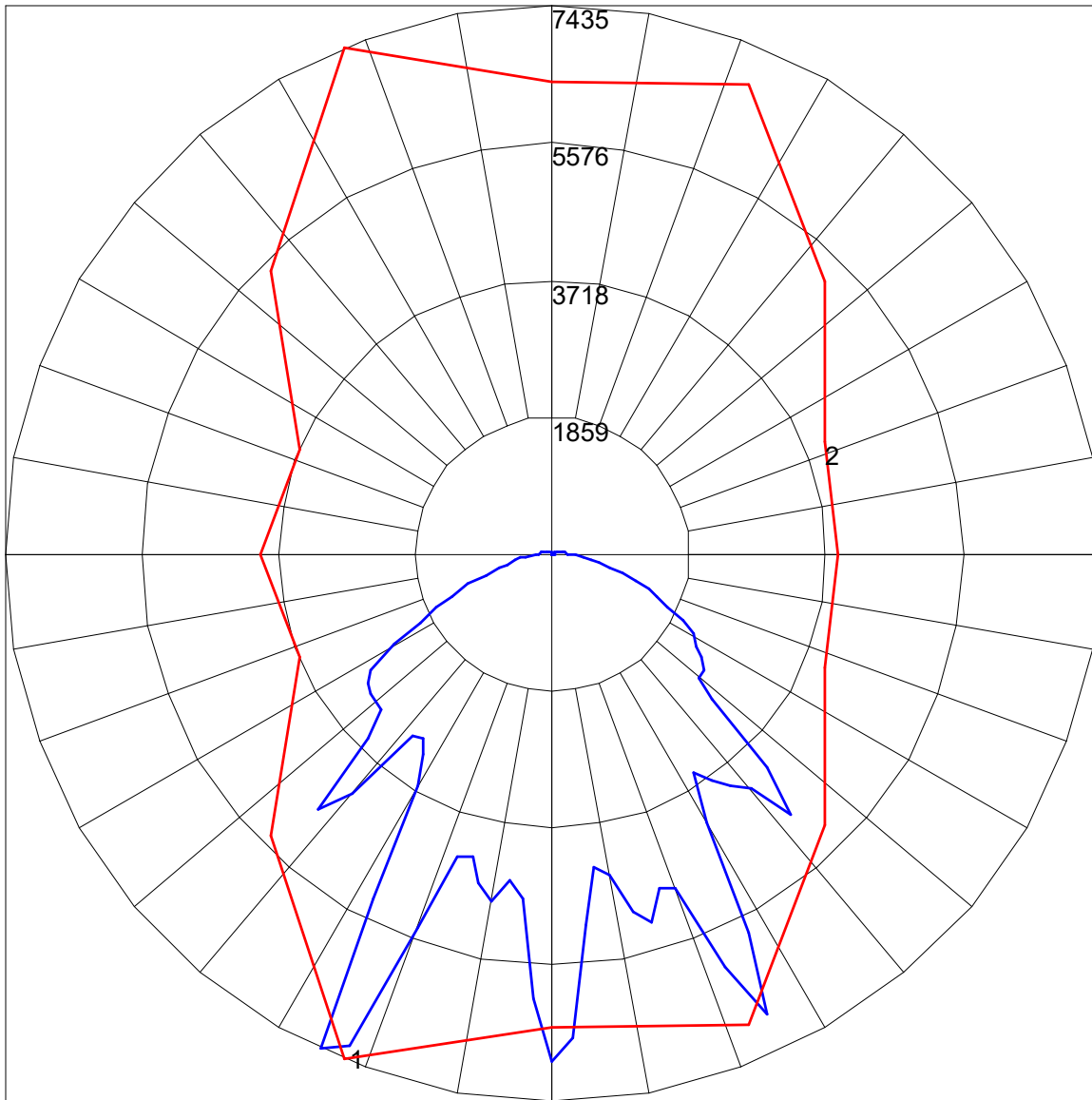
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	98	94	104	100	95	92	95	91	88	90	87	85	86	84	82	79
2	97	89	82	76	94	87	80	75	82	77	72	79	74	70	75	71	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	64	57	52	62	55	50	59	54	49	47
5	75	62	53	46	72	60	52	45	58	50	45	55	49	44	53	47	43	41
6	69	55	46	40	67	54	46	40	52	45	39	50	43	38	48	42	38	36
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	33	31
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	40	34	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	37	31	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 7435 Located At Horizontal Angle = 112.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)